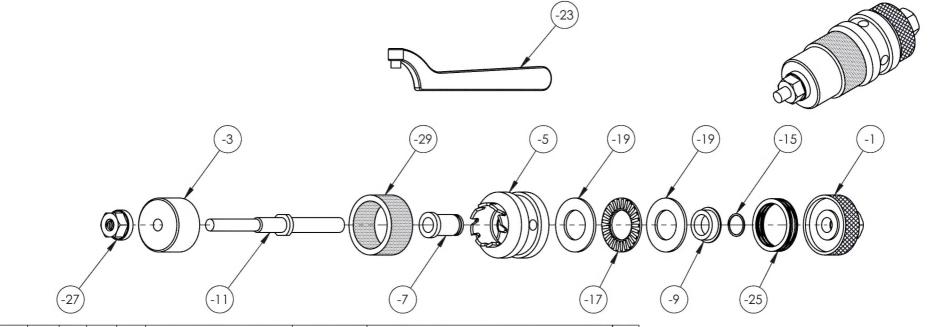
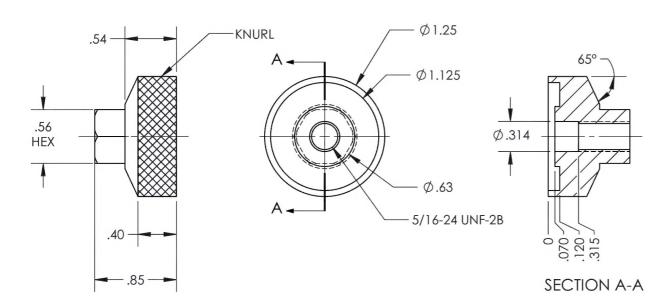
BEARINGS AND TOOLS COVERED						
BEARING #	TOOL#					
406-310-403-101	RBSC7008-P					
206-010-470-101	RBSC7028-P					
406-312-100-101	RBSC7048-P					
412-010-182-103	RBSC7188-P					

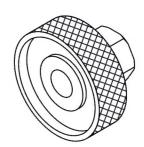
	revisions						
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED		
1		CHANGED TOOL # RB\$C412-010-103-P TO RB\$C7188-P TO CLARIFY TOOLING IDENTIFIICATION.	11/6/09	WP	DW		
2		ADDED NEW BRG. CUTTER RBSC7048-P FOR BEARING #406-312-100-101 PER E.B.	5/2/11	RJC			
3		CH'D -3 B FROM .312, CORRECTED -11 SCALE TO REFLECT PART REPRESENTATION PER S.E.	6/24/11	RJC	RW		
4		-5 CH'D DIM SCHEME, REDREW SECTION VIEW,	7/13/2015	BIM	SE		
5	15-0470	updated to new drafting standards. Added new bearing models.	7/13/2015	SM	JAG		
6	16-0112	UPDATED TO NEW STANDARD. ADDED CASE RSR GROUP #10137 TO BOM1 CH'D MAT'L WAS 1018 IS 1018/1020 CR. CH'D DIMS WAS Ø.625 IS Ø.63, WAS 5/16-24 UNF IS 5/16-24 UNF-2B. ADDED SPEC3 CH'D MAT'L WAS 4140 Q&T RND BAR IS 4140/4142. CH'D DIM WAS .032 X 45° IS .03 X 45°. ADDED HEAT TREAT AND SPEC5 CH'D DIMS WAS R.030 IS R.03, WAS .015 X 45° IS .02 X 45° WAS R.015 MAX IS R.02 MAX. ADDED DIM 4X Ø.219 ¥.23 EQUALLY SPACED. ADDED SPEC11 CH'D MAT'L WAS 4140 Q&T IS 4140/4142. ADDED HEAT TREAT AND SPEC. CH'D DIMS WAS 1/4-20 MACHINE THREADS IS 1/4-20 UNC-2A, WAS 5/16-24 MACHINE THREADS IS 5/16-24 UNF-2A.	8/11/2016	DEW	SM		



ASSY QTY	ASSY QTY	B/O	Part #	UNIT	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.		_				
			-1	1	SPRING TENSIONER	1018/1020 CR		2				<b>\RT</b>		
			-3	1	SEAT	4140/4142		3			AE	ROSPACE		
			-5	1	CUTTER	O-1		4	TITLE RBSC				ABLE BEAR	RING
			-7	1	GUIDE	BRONZE		5		CUTT	ERS FC	R BELL E	BEARINGS	
			-9	1	BUSHING	BRONZE		6	DWG NO.		RBSC	7###-P		REV 6
			-11	1	STUD	4140/4142		7	MAT'L				S OTHERWISE SPECIF	-
		B/O	-15	1	SPIRAL EXTERNAL RETAINING RING	STEEL	Ø7/16 SHAFT (MCMASTER-CARR # 91665A350)	1	HEAT				NSIONS ARE IN INCHE	ES
		В/О	-17	1	THRUST BEARING	STEEL	Ø 5/8 ID. X 1-1/8 OD. X 5/64 (APPLIED # NTA-1018)	1	TREAT FINISH			.xx ± .01	ANGLES ±.5° SURFACES = 1	,
		B/O	-19	2	THRUST WASHER	STEEL	Ø 5/8 ID. X 1-1/8 OD. X 1/16 (APPLIED # TRB-1018)	1	SPEC			1. BREAK AL	L SHARP EDGES	
		B/O	-23	1	FIXED PIN SPANNER WRENCH	STEEL	Ø 1-1/4 OD. X Ø 13/64 PIN (MCMASTER-CARR # 5475A12)	1	DRAWN BY: CHECKED:	MACKO		.015 x 45° 0 2. DIMENSION	VAL LIMITS APPLY	
		B/O	-25	1	CREST TO CREST SPRING	STEEL	SMALLEY CO. # CS112-H2	1	OPPS APPR:	DUERFE			T DIM AND TOL PER	
		B/O	-27	1	ROTATING FLANGE NUT	STEEL	1/4-20 ROTATING FLANGE NUT (MCMASTER-CARR #90477A029)	1	QA APPR:	LINDSA'		ASME Y14.	USED ON MODEL	
		B/O	-29	1	TOOTH GUARD (FOR SHIPPING ONLY)	VINYL	SEE -5 ØB PAGE 4 FOR INSIDE DIA, OF TUBE X 5/8 LENGTH	1	APPROVED:	GILBER.	-			
		B/O	-31	1	CASE	PLASTIC	(RSR GROUP # 10137)	N/S	SCALE	1:2	DATE 7	/13/2015	SHEET 1 OF	7

	revisions						
REV	ECR	DATE	INITIAL	APPROVED			
1		CH'D TOOL # RBSC412-010-182-103-P TO RBSC7188 TO CLARIFY TOOLING IDENTIFICATION.	11/6/09	WP	DW		
2		ADDED NEW BRG. CUTTER RBSC7048-P FOR BEARING # 406-312-100-101 PER E.B.	5/2/11	RJC			
6	16-0112	-1 CH'D MAT'L WAS 1018 IS 1018/1020 CR. CH'D DIMS WAS $\emptyset$ .625 IS $\emptyset$ .63, WAS 5/16-24 UNF IS 5/16-24 UNF-2B. ADDED SPEC.	8/11/2016	DEW	SM		





(-1) SPRING TENSIONER

TITLE RBSC7###-P SERIES PORTABLE BEARING
CUTTERS FOR BELL BEARINGS DWG NO. RBSC7###-P-1 6 MAT'L 1018/1020 CR UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

.XXX ± .005 FRACTIONS ± 1/8

.XX + .01 ANGLES ±.5°

.X ± .1 SURFACES = 125/ TREAT
FINISH BLACK OXIDE SPEC QMSI-6.2.2, B.O. REV D 1. BREAK ALL SHARP EDGES .015 x 45 'OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009 DRAWN BY: MACKOVJAK CHECKED: DUERFELDT OPPS APPR: ANDERSON QA APPR: LINDSAY USED ON MODEL APPROVED: GILBERT SCALE 7/9/2015 SHEET 2 OF 7 1:1

Ø A +.002

-.000

.968

.837

1.000

1.063

**TOOL NUMBER** 

RBSC7008-P

RBSC7028-P

RBSC7048-P

RBSC7188-P

ØB

+.002

-.000

.250

.250

.250

.250

+.010

-.010

.750

.750

.750

.750

D

+.010

-.010

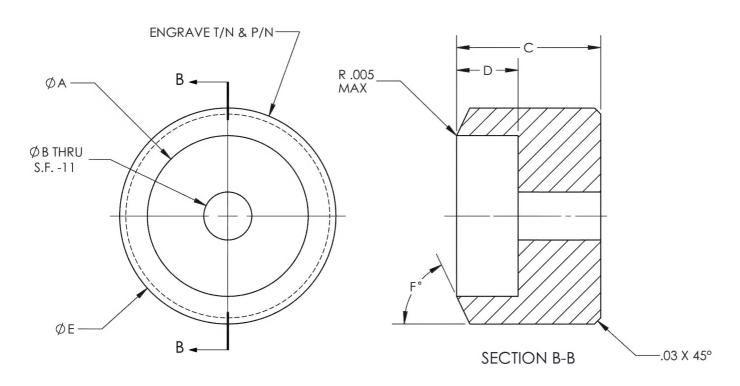
.375

.320

.237

.375

	REVISIONS							
REV	ECR	DATE	INITIAL	APPROVED				
1		CHANGED TOOL#RBSC412-010-182-103-P TO CLARIFY TOOLING IDENTIFICATION.	11/6/09	WP	DW			
2		ADDED NEW BRG. CUTTER RBSC7048-P FOR BEARING #406-312-100-101 PER E.B.	5/2/11	RJC				
3		CH'D -3 B FROM 3.12 PER S.E.	6/24/11	RJC	RW			
6	16-0112	-3 CH'D MAT'L WAS 4140 Q&T RND BAR IS 4140/4142. CH'D DIM WAS .032 X 45° IS .03 X 45°, ADDED HEAT TREAT AND SPEC.	8/11/2016	DEW	SM			





TITLE RBSC7###-P SERIES PORTABLE BEARING
CUTTERS FOR BELL BEARINGS

DWG NO.

RBSC7###-P-3

REV

+.5 -.0

64.5

64.5

90 64.5

+.000

-.002

1.250

1.125

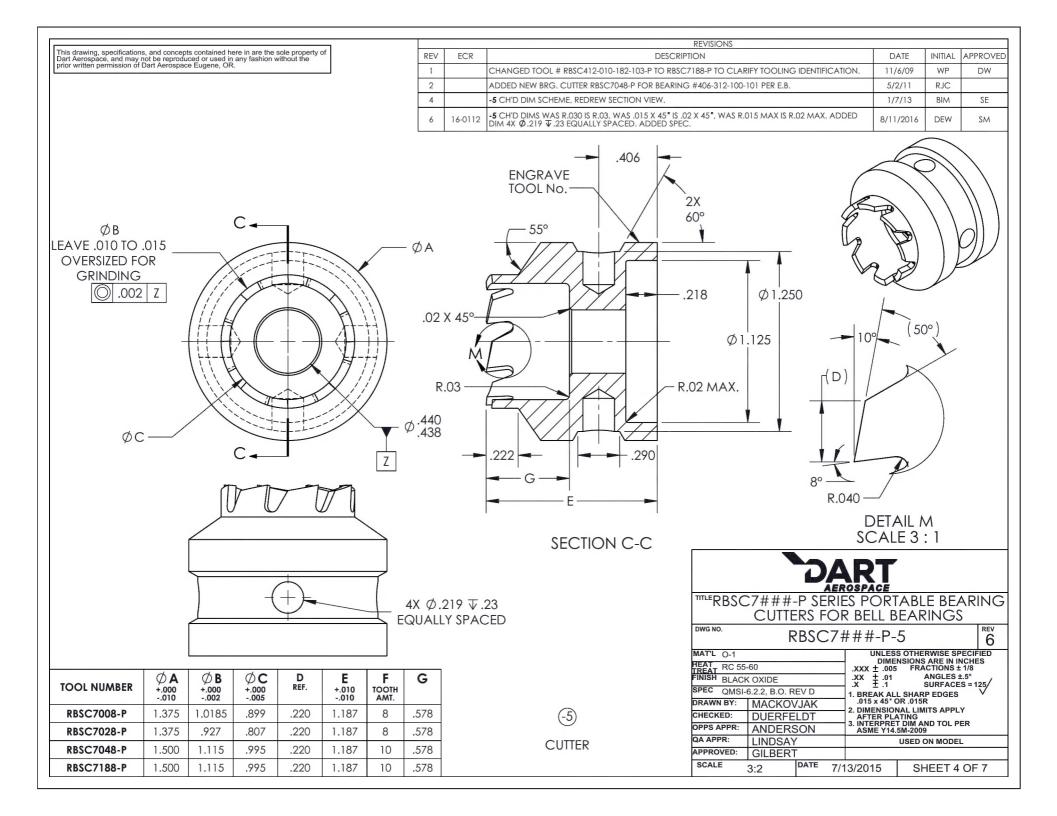
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1.500

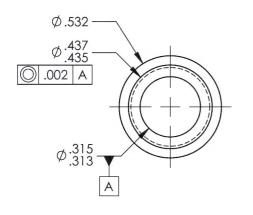
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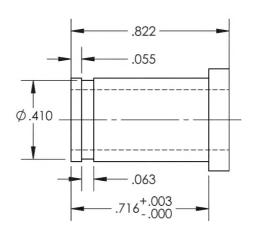
SEAT

MAT'L 4140/4142			
	DIMENSIONS ARE IN INCHES   .XXX ± .005		
FINISH BLACK OXIDE			
SPEC QMSI-6.2.2, B.O. REV D			
	.015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY		
	AFTER PLATING		
	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009		
	USED ON MODEL		
7/	/9/2015 SHEET 3 OF 7		
	7/		



REV	REV ECR DESCRIPTION				APPROVED
1		CH'D TOOL # RBSC412-010-182-103-P TO RBSC7188-P TO CLEARIFY TOOLING IDENTIFICATION	11/6/09	WP	DW
2		ADDED NEW BRG. CUTTER RBSC7048-P FOR BEARING #406-312-100-101 PER E.B.	5/2/11	RJC	









**CUTTERS FOR BELL BEARINGS** 

7/10/2015

6

SHEET 5 OF 7

DWG NO. RBSC7###-P-7 MAT'L BRONZE UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

.XXX ± .005 FRACTIONS ± 1/8

.XX ± .01 ANGLES ± .5°

.X ± .1 SURFACES = 125/ SPEC J. BREAK ALL SHARP EDGES
J. 15 x 45° OR J. 015 x
LIMITS APPLY
AFTER PLATING
J. INTERPRET DIM AND TOL PER
ASME Y14.5M-2009 DRAWN BY: MACKOVJAK CHECKED: DUERFELDT OPPS APPR: ANDERSON QA APPR: LINDSAY USED ON MODEL APPROVED: GILBERT

SCALE

2:1

(-7)

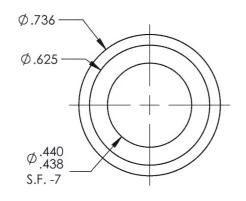
**GUIDE** 

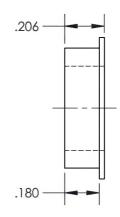
	REVISIONS .						
REV	ECR	DATE	INITIAL	APPROVED			
1		CH'D TOOL # RBSC412-010-182-103-P TO RBSC7188-P TO CLEARIFY TOOLING IDENTIFICATION	11/6/09	WP	DW		
2		ADDED NEW BRG. CUTTER RBSC7048-P FOR BEARING #406-312-100-101 PER E.B.	5/2/11	RJC			

SCALE

2:1







## TITLE RBSC7###-P SERIES PORTABLE BEARING CUTTERS FOR BELL BEARINGS DWG NO. RBSC7###-P-9 6 MAT'L BRONZE UNLESS OTHERWISE SPECIFIED SURFACES = 125/ SPEC J. BREAK ALL SHARP EDGES J. 15 x 45° OR J. 015 x LIMITS APPLY AFTER PLATING J. INTERPRET DIM AND TOL PER ASME Y14.5M-2009 DRAWN BY: MACKOVJAK CHECKED: DUERFELDT OPPS APPR: ANDERSON QA APPR: LINDSAY USED ON MODEL APPROVED: GILBERT

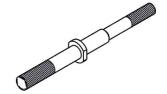
7/10/2015

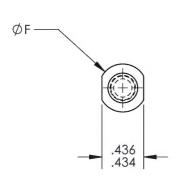
SHEET 6 OF 7

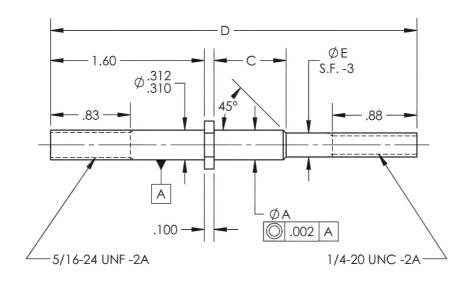
(-9)

BUSHING

	REVISIONS						
REV	ECR	DATE	INITIAL	APPROVED			
1		CH'D TOOL # RBSC412-010-182-103-P TO RBSC7188-P TO CLARIFY TOOLING IDENTIFICATION.	11/6/09	WP	DW		
2		ADDED NEW BRG. CUTTER RBSC7048-P FOR BEARING #406-312-100-101 PER E.B.	5/2/11	RJC			
3		CORRECTED - 11 SCALE TO REFLECT PART REPRESENTATION PER S.E.	6/24/11	RJC	RW		
6	16-0112	-11 CH'D MAT'L WAS 4140 Q&T IS 4140/4142. ADDED HEAT TREAT AND SPEC. CH'D DIMS WAS 1/4-20 MACHINE THREADS IS 1/4-20 UNC-2A, WAS 5/16-24 MACHINE THREADS IS 5/16-24 UNF-2A.	8/11/2016	DEW	SM		







	DART
LE	RBSC7###-P SERIES PORTABLE

RBSC7###-P SERIES PORTABLE
BEARING CUTTERS FOR BELL BEARINGS

DWG NO.

RBSC7###-P-11

6

TOOL NUMBER	⊅ A +.000 002	В	C +.000 020	D +.020 010	+.000 002	ØF
RBSC7008-P	.310	1/4-20 UNC	.750	3.875	.250	.500
RBSC7028-P	.310	1/4-20 UNC	.750	3.812	.250	.500
RBSC7048-P	.373	1/4-20 UNC	.680	4.000	.250	.500
RBSC7188-P	.310	1/4-20 UNC	.680	3.875	.250	.500

(-11)

STUD

11.2007 11 11 11 11						U	
MAT'L 4140/4142			UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 XX + .01 ANGLES ± .5°				
HEAT TREAT RC 28-32							
FINISH BLACK OXIDE			.XX ± .01	25/			
SPEC QMSI-6.2.2, B.O. REV D			1. BREAK ALL SHARP EDGES				
DRAWN BY:	MACKO\	/JAK		.015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY			
CHECKED: DUERFE		DT AFTER I		AFTER PLA	LATING		
OPPS APPR: ANDERSON			3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009				
QA APPR: LINDSAY			USED ON MODEL				
APPROVED: GILBERT							
SCALE	1:1	DATE	7/1	13/2015	SHEET 7 OF	7	
QA APPR: LINDSAY APPROVED: GILBERT		,	7/1		USED ON MODEL	7	